

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|--|------------------|---------|------------------|
| S1 | 1 | "5063597".pn. | US-PGPUB; USPAT; EPO; IBM_TDB | OR | ON | 2004/08/26 08:20 |
| S2 | 2974080 | @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:37 |
| S3 | 852 | S2 and (adc converter) with disable | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:41 |
| S4 | 475 | S3 and analog with digital | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:38 |
| S5 | 17 | S4 and mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:38 |
| S6 | 407 | S3 and analog with digital with converter | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:41 |
| S7 | 50 | S6 and authoriz\$6 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:41 |
| S8 | 896 | S2 and (dac converter) with disable | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:57 |
| S9 | 457 | S8 and analog with digital with converter | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:41 |
| S10 | 50 | S9 and authoriz\$6 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:58 |
| S11 | 50 | S2 and (dac converter) near3 mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:58 |
| S12 | 0 | S11 and authoriz\$6 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/08/26 08:58 |
| S13 | 10 | (@ad<"19991216" and digital adj signal adj processor) and authorization adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:17 |
| S14 | 1 | (@ad<"19991216" and digital adj signal adj processor) and authorization same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:16 |

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| S15 | 0 | (@ad<"19991216" and digital adj signal adj processor) and authoriz\$5 same mute and "713"/\$.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:17 |
| S16 | 11 | (@ad<"19991216" and digital adj signal adj processor) and mute and "713"/\$.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:20 |
| S17 | 134 | 712/35.ccls. and @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:20 |
| S18 | 2 | (712/35.ccls. and @ad<"19991216") and authoriz\$6 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:20 |
| S19 | 4 | (712/35.ccls. and @ad<"19991216") and mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:22 |
| S20 | 71 | 710/69.ccls. and @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:27 |
| S21 | 1 | (710/69.ccls. and @ad<"19991216") and authoriz\$5 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/25 13:27 |
| S22 | 18887 | @ad<"19991216" and digital adj signal adj processor | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 10:11 |
| S23 | 5283 | (@ad<"19991216" and digital adj signal adj processor) and (processor dsp) same (authoriz\$6 allow\$2 approv\$3) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 10:12 |
| S24 | 12 | (@ad<"19991216" and digital adj signal adj processor) and (processor dsp) same (authoriz\$6 allow\$2 approv\$3) same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 10:14 |
| S25 | 1171 | (@ad<"19991216" and digital adj signal adj processor) and (processor dsp) same (disable\$2) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 10:15 |
| S26 | 4 | (@ad<"19991216" and digital adj signal adj processor) and (processor dsp) same (disable\$2) same (authoriz\$5) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 10:15 |
| S27 | 2969262 | @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:02 |
| S28 | 312 | @ad<"19991216" and processor same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:03 |
| S29 | 175 | @ad<"19991216" and converter same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:03 |

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| S30 | 41 | @ad<"19991216" and analog same digital same converter same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:05 |
| S31 | 2 | (@ad<"19991216" and analog same digital same converter same disable adj signal) and digital adj signal adj processor | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:04 |
| S32 | 1 | @ad<"19991216" and analog same digital same converter same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:05 |
| S33 | 1 | @ad<"19991216" and analog same digital same converter same disable adj signal same mute\$1 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:07 |
| S34 | 2 | @ad<"19991216" and analog same digital same converter same disable adj signal and mute\$1 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/26 12:07 |
| S35 | 2969262 | @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:10 |
| S36 | 0 | ((@ad<"20001109" and message with (signed signature) and database with signature) and (e-mail email)) and dsp same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:11 |
| S37 | 0 | ((@ad<"20001109" and message with (signed signature) and database with signature) and (e-mail email)) and processor same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:11 |
| S38 | 312 | @ad<"19991216" and processor same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:11 |
| S39 | 18 | @ad<"19991216" and dsp same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:14 |
| S40 | 175 | @ad<"19991216" and converter same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:14 |
| S41 | 42 | @ad<"19991216" and analog with converter same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:17 |
| S42 | 0 | @ad<"19991216" and analog with converter same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:17 |
| S43 | 175 | @ad<"19991216" and converter same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:25 |

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|-----|----|---|--------------------------------|----|----|------------------|
| S44 | 1 | @ad<"19991216" and converter same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:18 |
| S45 | 0 | @ad<"19991216" and (adc) same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:21 |
| S46 | 5 | @ad<"19991216" and (adc) same disable adj signal | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:22 |
| S47 | 6 | @ad<"19991216" and mute same disable adj signal and analog with converter | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:23 |
| S48 | 0 | @ad<"19991216" and dac same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:27 |
| S49 | 1 | @ad<"19991216" and converter same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:27 |
| S50 | 0 | @ad<"19991216" and d/a same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:27 |
| S51 | 3 | @ad<"19991216" and analog same disable adj signal same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:27 |
| S52 | 13 | @ad<"19991216" and converter same disable with mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:55 |
| S53 | 1 | "5297203".pn. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/28 11:50 |
| S54 | 36 | @ad<"19991216" and "digital-to-analog converter" same mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 09:56 |
| S55 | 10 | @ad<"19991216" and "digital-to-analog converter" same mute and digital adj signal adj processor | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 13:39 |
| S56 | 43 | @ad<"19991216" and override with mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 13:39 |
| S57 | 0 | (@ad<"19991216" and override with mute) and dsp | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 13:39 |
| S58 | 30 | (@ad<"19991216" and override with mute) and digital and analog | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 14:01 |

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| S59 | 0 | (@ad<"19991216" and override with mute) and 713/200.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 14:01 |
| S60 | 1165 | @ad<"19991216" and 713/200.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 14:02 |
| S61 | 81 | @ad<"19991216" and 455/194.1.ccls. | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2004/03/29 14:03 |
| S65 | 2978839 | @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/19 17:26 |
| S66 | 0 | S65 and sleep with mute with dsp | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/19 17:26 |
| S67 | 0 | S65 and sleep with mute and dsp | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/19 17:26 |
| S68 | 14 | S65 and sleep with mute | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/19 17:26 |
| S69 | 1 | "6114981".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/21 11:19 |
| S70 | 4 | (US-5063597-\$ or US-5612682-\$ or US-6114981-\$ or US-5734729-\$). did. | USPAT | OR | ON | 2005/06/21 11:20 |
| S71 | 0 | S70 and hash\$4 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/06/21 11:20 |
| S72 | 2978899 | @ad<"19991216" | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:21 |
| S73 | 2 | S72 and dsp with hash\$3 near2 file | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:34 |
| S74 | 2 | S72 and dsp with hash\$3 with file | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:21 |
| S75 | 11 | S72 and digital adj signal adj processor and hash\$3 near2 file | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:32 |
| S76 | 73 | S72 and digital adj signal adj processor and hash\$3 with (data file media) | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:33 |

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| S77 | 36 | S76 and audio | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:33 |
| S78 | 11 | S72 and dsp with hash\$3 | US-PGPUB; USPAT; IBM_TDB | OR | ON | 2005/06/21 11:34 |
| S79 | 1675 | encrypted adj public adj key | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:01 |
| S80 | 1675 | S79 and ad<"20020101" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:00 |
| S81 | 917 | S79 and @ad<"20020101" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:00 |
| S82 | 5477634 | @ad<"20020101" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:00 |
| S83 | 91 | S82 and (encrypted adj public adj key) with (identif\$6 serial id) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:01 |
| S84 | 1675 | "encrypted public key" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:02 |
| S85 | 1675 | "encrypted public key"! | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:02 |
| S86 | 1675 | "encrypted public key" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2005/09/27 15:03 |

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|-----|---|---------------|--|----|----|------------------|
| S87 | 1 | "20020077177" | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/10/03 14:06 |
|-----|---|---------------|--|----|----|------------------|